Lessons Learned/ Issues

Army Standing Committee Meeting -- May 2005

Range Design
Duct Usage

Army Standing Committee Meeting -- May 2005

Range Duct Usage

- **Issue: What is the duct policy for range projects?**
- **Discussion: Current Range Duct Standards**
  - **Footprint: Interconnect footprint buildings with a minimal manhole & duct system: facilitates lifecycle cable IOM.**
  - **Backbone Infrastructure: Duct is not appropriate for off footprint cable infrastructure**

Modularity Issues

Army Standing Committee Meeting -- May 2005

Modularity Issues

- Issue: Cost Estimating Modularity Projects?
- Discussion:
  - ISCE Software Does Not Directly Support Modularity Type Project's UEPH.
  - FDED developed procedures for this situation analogous to the procedure for AFH
- Status: The FDED procedure should satisfy

Modularity Procedures
UEPH & Other Buildings

To Develop the Tab F:

- **UEPH (Troop Quarters):**
  - **Use provided procedures**
  - **See next slides per provided procedures**
- **Other buildings: Use ISCE Software as normal**

UEPH Modularity Procedures
Typical Tab F Line Items

- Telephone outlets (ISCE, Section II)
- CATV outlets (ISCE, Section II)
- EMT conduit (only if required) (ISCE, Section I)
- Category 6, 4 pair UTP, telephone cable (ISCE, Section II)
- RG-6 CATV cable (ISCE, Section II)
- CATV signal splitter(s) (ISCE, Section II)
- Small backboard (ISCE, Section I)
- Small protected terminal (ISCE, Section II)
- Direct buried copper cable to module (ISCE, Section IV)
- Direct buried CATV cable to module (ISCE, Section IV)
- Trenching (ISCE, Section III)

UEPH Modularity Procedures
Sample Tab F Lines

SECTION I

1. BACKBOARD: 2’ X 2’ X 3/4” 1 EA
   (plywood backboard, wall mounted -- typically 1 per module)

2. EMT 3/4” W/HDW (SINGLE RJ45 & TV) XX FT
   (XX = NUMBER OF FEET (as required) EMT metal conduit to protect cabling -- typically 240 feet per module)

UEPH Modularity Procedures
Sample Tab F Lines

SECTION II

1. OUTLET: SINGLE Jack RJ45 X EA
(X = NUMBER NEEDED telephone outlet with a single 8-position jack on a wall plate -- typically 6 per module)

2. OUTLET: SINGLE TV (F CONN) X EA
(X = NUMBER NEEDED cable TV outlet with a single

F-type connector on a wall plate -- typically 6 per module)

3. STA CBL: CAT 6 UTP (4 PR) XX FT
(XX = NUMBER OF FEET copper cable: 4 pr, Cat 6 UTP -- typically 300 feet per module)

UEPH Modularity Procedures
Sample Tab F Lines

SECTION II

4. CATV CABLE: RG-59/U XX FT
(XX = NUMBER OF FEET cable TV coaxial cable -- typically 300 feet per module)

5. CATV, DIRECTIONAL COUPLER: 8 OUT 1 EA
(cable TV signal splitter -- typically 1 per module)

6. PROTECTED TERMINAL 12 PR: 1 EA
(protected terminal for incoming copper cable -- typically one per module)

UEPH Modularity Procedures
Sample Tab F Lines

SECTION III

1. TRENCH: MACHINE 6"X 30" XX FT
(directed buried cable, trenched) --
typically 200 feet per module)

SECTION IV

1. BURIED CBL #1, 30" D, TRNCHD XX FT
(directed buried cable, trenched) --
typically 200 feet per module)

2. CATV CABLE: RG-6/U XX FT
(XX = NUMBER OF FEET cable TV coaxial cable --
typically 200 feet per module)

End of Slides